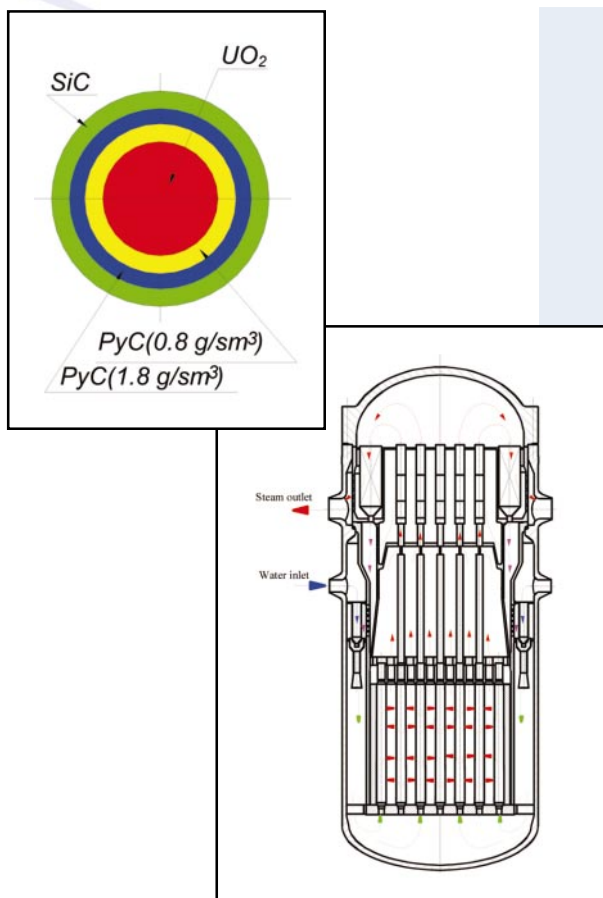




# Pebble Bed Light Water Reactor with Micro-Fuel Elements



- Russian research in future concepts for Generation IV nuclear reactors has led to new technology
- Micro-fuel elements (MFE) developed for use in Pebble Bed Light Water Reactors
  - MFE allows safe, economic operation in water-steam environment
  - Potential to generate low cost, inherently safe and clean energy
  - Spent fuel more difficult to process for weapons production
- Project will demonstrate international quality and safety standards of Pebble Bed Light Water Reactor with MFE
- U.S. company will commercialize MFE for existing and new generation nuclear power plants



The Stanton Group  
Charlestown, MA



VNIIAM  
All-Russian Nuclear Power Engineering  
Research and Development Institute  
Moscow, Russia

**PNNL**

Pacific Northwest National Laboratory  
Richland, WA